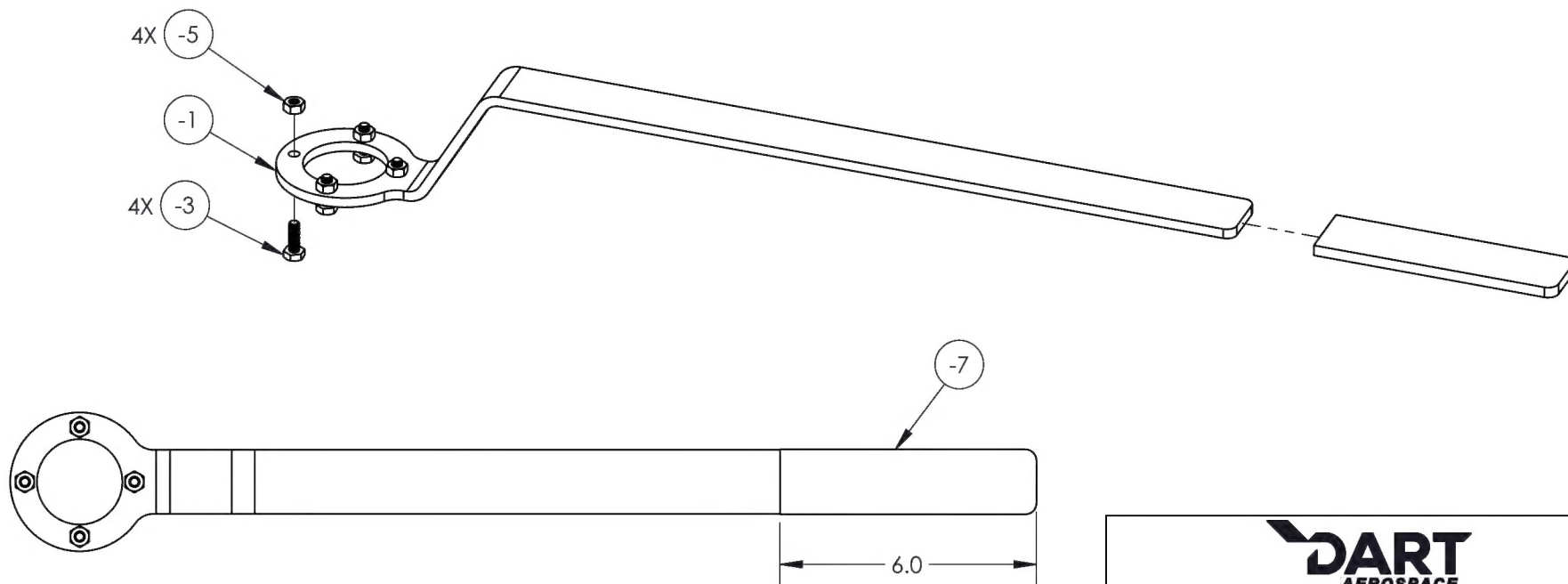


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		NOTES ADDED: BEND HOT & ALTERNATE: MARK TEXT ON BOTH SIDES.	2/3/2004		
1A		CH'D TITLEBLOCK & REVISION BLOCK. CH'D REVISIONS FROM ALPHABETICAL TO NUMERICAL, ADDED ENGRAVE NOTE, ADDED RED HEAT SHRINK TO BOM.	1/21/2010	RJC	RW
1B		CH'D -1 B/O INFORMATION FROM 1/4 X 3-1/8 X 25-1/2 PER E.B.	8/1/2011	RJC	DW
1C		ADDED TOOLING HOLE NOTE TO Ø.250 X2 HOLE CALLOUT.	1/2/2013	BIM	GE
2	16-0198	UPDATED TO NEW DRAFTING STANDARD. -1 DELETED DIM'S 11.575, 10.30, 18.63, DELETED Ø.250 X2 TOOLING HOLES IF NEEDED NOTE & HOLES, ADDED DIM 2X R.38, CH'D DIM'S WAS .250 IS .25, WAS 3.63 IS 3.68, WAS 6.9 IS 7.09, WAS Ø.250 X4 ON 2.562 BC IS 4X Ø.266 THRU ALL, WAS BEFORE BENDING 25.57 IS 25.62, WAS AFTER BENDING 24.0 IS 24.0, DELETED NOTE 1/16 CHAMFER OR RADIUS FOR HANDLE, USE 2" FEMALE DIE 1/2" RADIUS MALE DIE NO DIE MARKS BEND HOT TO AVOID CRACKING, DELETED NOTE: ENSURE TEXT IS ON PROPER SIDE BEFORE BENDING ALTERNATE: MARK TEXT ON BOTH SIDES.	10/31/2016	RJC	JAG

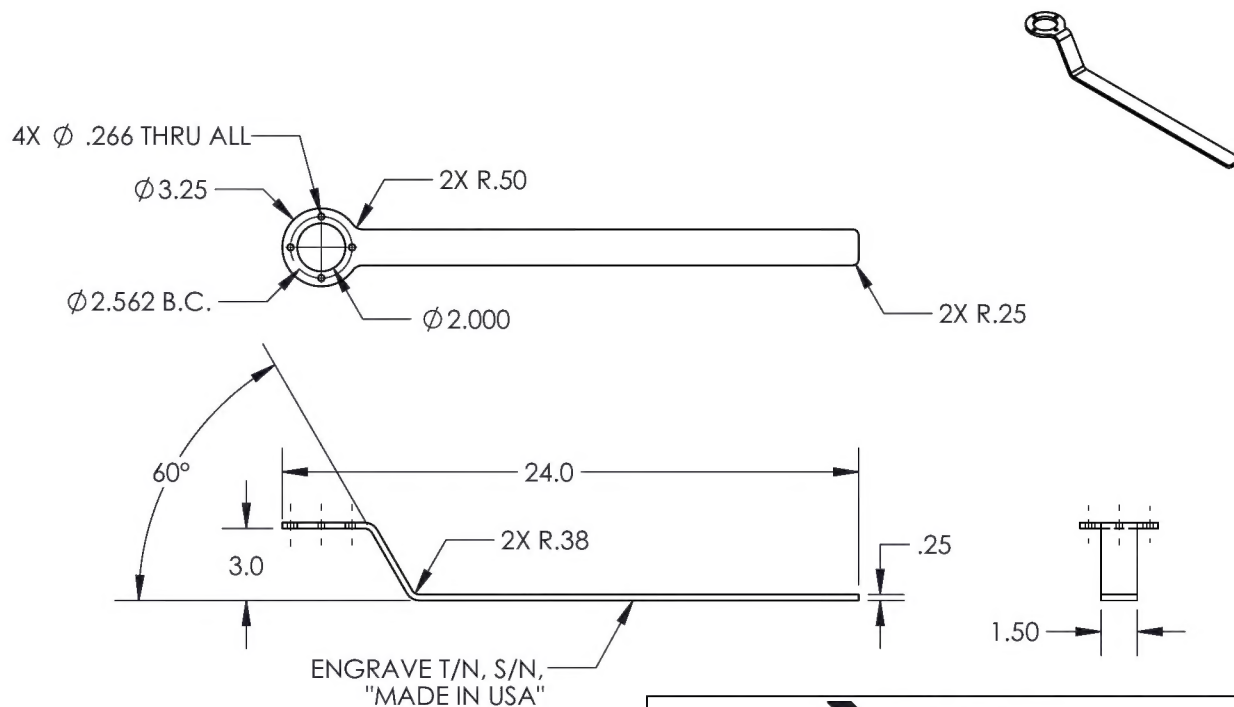
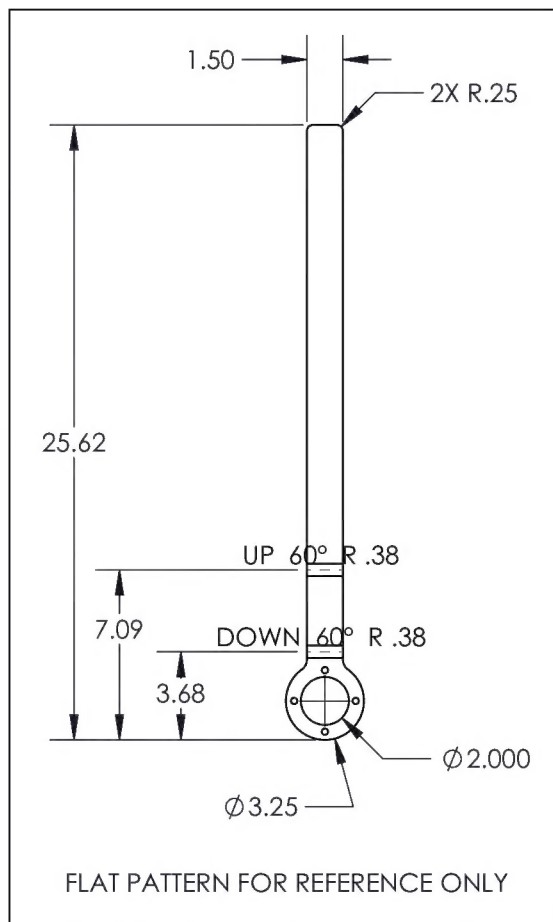


ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	WRENCH	A36/1018/1020 HR		2
		B/O	-3	4	HEX HEAD CAP SCREW	STEEL	1/4-20 X 3/4 (MCMASTER-CARR #92865A540)	1
		B/O	-5	4	HEX NUT	STEEL	1/4-20 (MCMASTER-CARR #95462A029)	1
			-7	1	RED HEAT SHRINK TUBING	PLASTIC	1-1/2 X 1' (MCMASTER-CARR #7856K64) MODIFIED	1

<b>DART AEROSPACE</b>	
TITLE <b>COUPLING HOLDING WRENCH</b>	
DWG NO. <b>RBT18900</b>	REV <b>2</b>
MAT'L <b>STEEL</b>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT <b>AS SUPPLIED</b>	.XXX ± .005 FRACTIONS ± 1/8
FINISH <b>AS SUPPLIED</b>	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: <b>CLOUGH</b>	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: <b>DUERFELDT</b>	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: <b>ANDERSON</b>	USED ON MODEL
QA APPR: <b>LINDSAY</b>	MD NOTAR
APPROVED: <b>GILBERT</b>	
SCALE <b>1:4</b>	DATE <b>10/31/2016</b>
SHEET 1 OF 2	


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		NOTES ADDED: BEND HOT & ALTERNATE: MARK TEXT ON BOTH SIDES.	2/3/2004		
1A		ADDED ENGRAVE NOTE.	1/21/2010	RJC	RW
1C		ADDED TOOLING HOLE NOTE TO Ø.250 X2 HOLE CALLOUT.	1/2/2013	BIM	GE
2	16-0198	-1 DELETED DIM'S 11.575, 10.30, 18.63. DELETED Ø.250 X2 TOOLING HOLES IF NEEDED NOTE & HOLES. ADDED DIM 2X R.38, CH'D DIM'S WAS .250 IS .25, WAS 3.63 IS 3.68, WAS 6.9 IS 7.09, WAS Ø.250 X4 ON 2.562 BC IS 4X Ø.266 THRU ALL, WAS BEFORE BENDING 25.57 IS 25.62, WAS AFTER BENDING 24.0 IS 24.0, DELETED NOTE 1/16 CHAMFER OR RADIUS FOR HANDLE, USE 2" FEMALE DIE 1/2" RADIUS MALE DIE NO DIE MARKS BEND HOT TO AVOID CRACKING, DELETED NOTE: ENSURE TEXT IS ON PROPER SIDE BEFORE BENDING ALTERNATE: MARK TEXT ON BOTH SIDES.	10/31/2016	RJC	JAG



(-1)

WRENCH

		
TITLE <h1>COUPLING HOLDING WRENCH</h1>		
DWG NO.		REV <b>2</b>
RBT18900-1		
MAT'L A36/1018/1020 HR		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT		.XXX ± .010 FRACTIONS ± 1/8
FINISH BLACK ZINC		.XX ± .03 ANGLES ± 1°
SPEC ASTM B633 TYPE II SC 2		.X ± .1 SURFACES = 125/√
DRAWN BY:	CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:	DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPQS APPR:	ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	LINDSAY	USED ON MODEL
APPROVED:	GILBERT	MD NOTAR
SCALE 1:8	DATE 10/31/2016	SHEET 2 OF 2